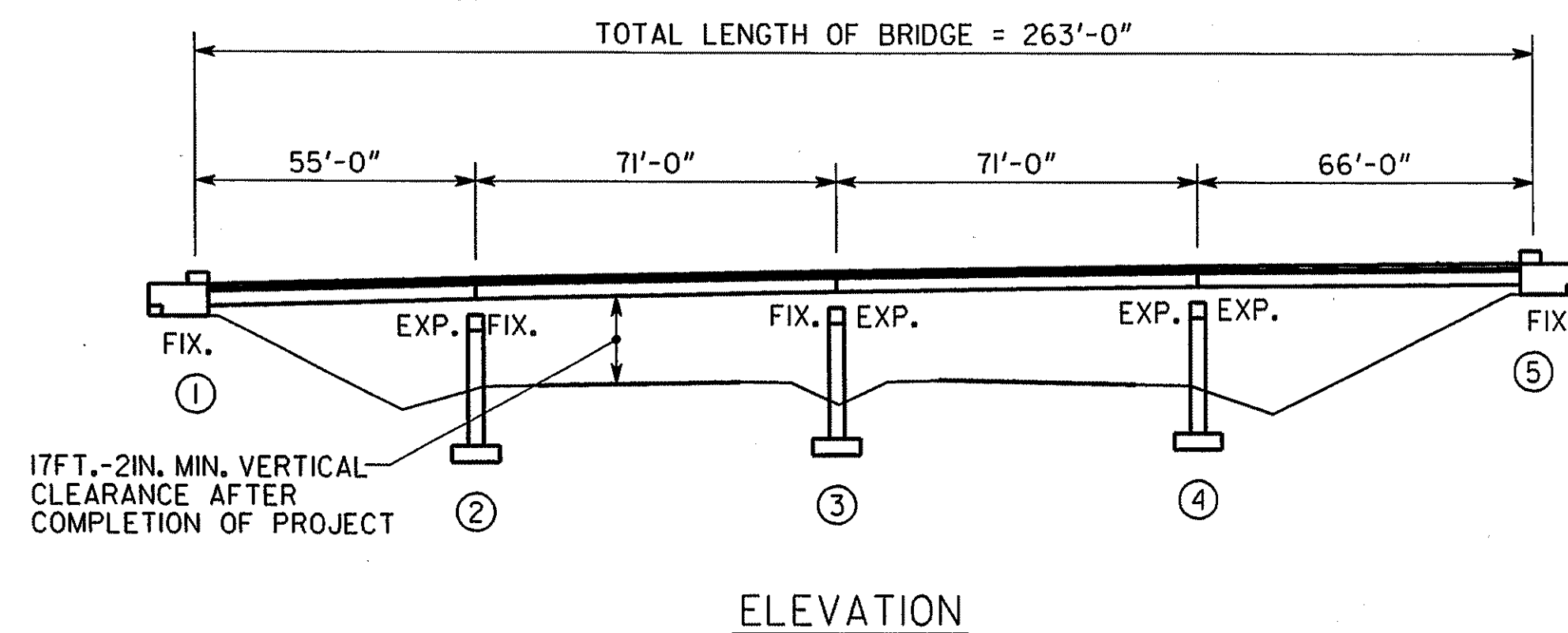


EXISTING GRADE DATA  
SEE ORIGINAL BRIDGE PLANS

BETHLEHEM (GREENWOOD) ROAD TRAFFIC DATA  
TRAFFIC.....ADT = 740 (2003)  
TRUCKS.....4.9%

NOTE:  
THE ENTIRE BRIDGE SHALL BE  
RAISED THE SAME AMOUNT.



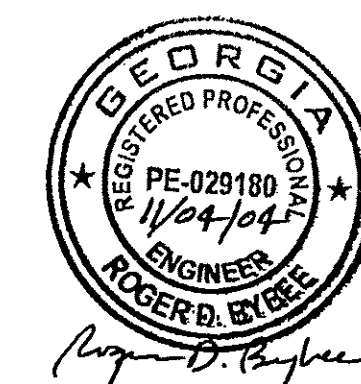
IF YOU DIG IN GEORGIA ...  
CALL US FIRST 1-800-282-7411

THE CONTRACTOR SHALL ADHERE TO  
THE CALL BEFORE YOU DIG LAW  
BY CALLING THE UTILITIES  
PROTECTION CENTER

**Dig Safely.**  
1-800-282-7411  
770-623-4344

#### SUMMARY OF QUANTITIES

PAY ITEM NUMBER	QUANTITY	UNIT	PAY ITEM
449-1620	33	FT	LOW-DENSITY, CLOSED CELL, CROSS-LINKED, ETHYLENE VINYL ACETATE, POLYETHYLENE COPOLYMER, NITROGEN BLOWN SEAL, BR NO-4, BENT NO-1
449-1620	33	FT	LOW-DENSITY, CLOSED CELL, CROSS-LINKED, ETHYLENE VINYL ACETATE, POLYETHYLENE COPOLYMER, NITROGEN BLOWN SEAL, BR NO-4, BENT NO-2
449-1620	33	FT	LOW-DENSITY, CLOSED CELL, CROSS-LINKED, ETHYLENE VINYL ACETATE, POLYETHYLENE COPOLYMER, NITROGEN BLOWN SEAL, BR NO-4, BENT NO-3
449-1620	33	FT	LOW-DENSITY, CLOSED CELL, CROSS-LINKED, ETHYLENE VINYL ACETATE, POLYETHYLENE COPOLYMER, NITROGEN BLOWN SEAL, BR NO-4, BENT NO-4
449-1620	33	FT	LOW-DENSITY, CLOSED CELL, CROSS-LINKED, ETHYLENE VINYL ACETATE, POLYETHYLENE COPOLYMER, NITROGEN BLOWN SEAL, BR NO-4, BENT NO-5
503-1600	13	CY	FOUR HOUR ACCELERATED STRENGTH CONCRETE
504-0600	5	CY	TWENTY-FOUR HOUR ACCELERATED STRENGTH CONCRETE
511-1000	LUMP	LS	BAR REINFORCEMENT STEEL (3018 LB)



BRIDGE SHEET  
1 OF 3

518-1000 LUMP LS RAISE EXISTING BRIDGE, STA - 22+97.80  
EXISTING BRIDGE SERIAL NO. 151-0025-0  
EXISTING BRIDGE LOC. I.D. NO. 515-00312X-000.78W  
PROJECT P.I. NO. M001994

BRIDGE NO. 4

GEORGIA  
DEPARTMENT OF TRANSPORTATION  
PRECONSTRUCTION DIVISION-OFFICE OF BRIDGE DESIGN

JACKING DETAILS  
BETHLEHEM (GREENWOOD) ROAD OVER I-75  
HENRY CO. NHS-M001-00(994)

SCALE: NONE FEBRUARY 2004

DESIGNED: ROB	CHECKED: ROB	REVIEWED:
DRAWN: RCP	DESIGN GROUP:	APPROVED:

#### EXISTING BRIDGE CONSISTS OF

- 4 - COMPOSITE WIDE-FLANGE BEAM SPANS.....SPECIAL DESIGN
- 2 - CONCRETE END BENTS.....SPECIAL DESIGN
- 3 - CONCRETE INTERMEDIATE BENTS.....SPECIAL DESIGN
- METAL HANDRAILING.....GA. STD. NO. 3627(8-21-65) OR 3630(5-4-65)
- BAR BENDING DETAILS.....GA. STD. NO. 3901
- END POST DETAILS.....SEE EXISTING PLANS

#### UTILITIES

NONE

#### WORK CONSISTS OF

- 1. RAISE EXISTING BRIDGE APPROXIMATELY 10" AND PROVIDE PEDESTALS.
- 2. MODIFY ENDWALLS AS SHOWN
- 3. MODIFY APPROACH SLABS AS SHOWN (PAID FOR AS A ROADWAY ITEM).
- 4. RAISE THE TOP OF THE WINGWALLS.
- 5. REPLACE JOINT SEALS AT BENTS 1, 2, 3, 4, AND 5.

#### DESIGN DATA FOR DESIGN OF PEDESTALS

SPECIFICATIONS.....AASHTO 1996  
(DESIGNED FOR SEISMIC PERFORMANCE CATEGORY A)  
TYPICAL HS-20 AND/OR MILITARY LOADING.....IMPACT ALLOWED  
FUTURE PAVING ALLOWANCE.....15 PSF

#### CONSTRUCTION SEQUENCE

1. PLACE TEMPORARY SAND LOADED ATTENUATORS AS DIRECTED.
2. RAISE TOPS OF WINGWALLS AS SHOWN.
3. CUT APPROACH SLAB FULL DEPTH AT EDGE OF THE PAVEMENT REST AS SHOWN TO ENABLE JACKING OF BRIDGE.
4. IF PRESENT, REMOVE PORTION OF BREASTWALL BETWEEN EXTERIOR BEAM AND WINGWALL AS REQUIRED TO PROVIDE ACCESS TO BEARINGS AND ALLOW DRILLING FOR NEW ANCHOR BOLT HOLES.
5. JACK BRIDGE WITHOUT DISRUPTING TRAFFIC. PLACE ASPHALT AS REQUIRED AT ENDS OF BRIDGE WHILE JACKING TO PROVIDE A SMOOTH TRANSITION FROM PAVEMENT TO BRIDGE. AT NO TIME SHALL THERE BE MORE THAN A 2" HEIGHT DIFFERENCE BETWEEN THE BRIDGE DECK AND THE TOP OF ASPHALT OR BETWEEN ADJACENT SPANS AT THE JOINTS. AT THE END OF EACH DAY'S WORK, THE PAVEMENT SHALL BE FLUSH WITH THE BRIDGE DECK. PLACE ASPHALT LEVELING AND SURFACE COURSE TO LIMITS SHOWN ON ROADWAY PLANS UPON COMPLETION OF JACKING.
6. REMOVE AND REPLACE GUARDRAIL AS REQUIRED.
7. REDUCE TRAFFIC TO ONE LANE, PROVIDE FLAGGERS TO CONTROL TWO WAY TRAFFIC.
8. REMOVE PORTIONS OF THE ASPHALT AND APPROACH SLAB FULL DEPTH AS SHOWN WITHOUT CUTTING THE REINFORCEMENT.
9. REBUILD PORTIONS OF APPROACH SLABS AS SHOWN.
10. SHIFT TRAFFIC TO OPPOSITE SIDE AND REPEAT STEPS 8 AND 9.
11. RE-OPEN BRIDGE TO TWO LANES OF TRAFFIC.
12. SEE SPECIAL PROVISIONS - SECTION 150.11, SPECIAL CONDITIONS, FOR TIME LIMITATIONS FOR ITEMS 8 THROUGH 10.
13. INSTALL JOINT SEALS. CLEAN AND RESEAL THE REMAINING JOINTS.

THE AFOREMENTIONED SEQUENCE SHALL BE COORDINATED WITH ROADWAY OPERATIONS. SEE ROADWAY PLANS. IN LIEU OF THE ABOVE SEQUENCE, THE CONTRACTOR MAY SUBMIT A PROPOSED SEQUENCE FOR APPROVAL.